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September 9, 2010

Mr. Steve Tzhone (6SF-RA)
Superfund Remedial Project Manager
U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, TX 75202-2773

Re: San Jacinto River Waste Pits Superfund Site – Site Warning and Protective Measures
Project Number: 090557-01.01

Dear Steve:

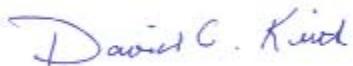
As requested in previous correspondence, the following provides a suggested design for buoy and signage placement around the San Jacinto River Waste Pits Superfund Site, shown in Figure 1. On the western side of the impoundments the signs will be placed at 100-foot intervals. On the eastern side, signs will be placed at 200-foot intervals along the shoreline, and there will be an additional warning system placed in the water with the buoy system described below. The signs on the eastern and western impoundments will alternate between the “No Trespassing” (Figure 2) and “Danger” (Figure 3) signs.

The proposed design layout for the buoy system is shown in Figure 1. The four (4) regulatory buoys are to be printed with the Restricted Area symbol (Figure 4) and the text “No Entry.” Figure 5 displays an example specifications sheet for the regulatory buoys. Additionally, there are to be twenty-five (25) 16-inch diameter float ball buoys placed between the regulatory buoys, which are intended to further discourage trespassing by watercraft. Figure 6 displays an example specifications sheet for the float ball buoys. The entire system will be connected by chain to no less than eleven (11) anchors with a nominal weight of 300 pounds each (Figure 7). Also provided are the mooring suggestions for this

type of buoy system (Figure 8). This design considers the effects of the 100-year event (i.e., water velocity and depth).

Anchor QEA coordinated with the U.S. Coast Guard (USCG), Port of Houston Authority (PHA) and Texas Parks and Wildlife. We have submitted a draft permit application to the USCG, 8th District Private Aids to Navigation Group, Mr. Tim Boriskie, for his review and comment. We contacted Mr. David Casebeer with the Port of Houston Authority Channel Development group; they do not regulate private aids to navigation on the San Jacinto River. Mr. Casebeer requested a copy of the buoy application for his records after the permit was issued by the USCG. Finally, we contacted Lt. Johnny Longoria in the Houston District Enforcement Office of Texas Parks and Wildlife; they follow or enforce the aids permitted by the USCG. He requested a copy of the permitted buoy alignment to add to their patrol enforcement list.

Sincerely,



David C. Keith, PH.D., R.G., C. HG.
Anchor QEA, LLC

Cc: Andrew Shafer

Phil Slowiak

Attachments



- ▲ Sign Locations
- End Anchors
- ◆ Regulatory Buoys
- Ball Buoys

0 75 150 300 450
Feet



Texas Penal Code - Section 30.05. Criminal Trespass

**NO TRESPASSING
VIOLATORS WILL BE
PROSECUTED**

AUTHORIZED PERSONNEL ONLY

Codigo Penal De Texas - Seccion 30.05. Traspaso Criminal

**PROHIBIDO TRASPASAR
VIOLADORES SERAN
PROSCESADOS**
SÓLO PERSONAL AUTORIZADO

Texas luật hình sự - Phần 30.05. Hình sự xâm nhập

**KHÔNG XÂM PHẠM
NGƯỜI VI PHẠM SẼ BỊ
TRUY TỐ**

ỦY QUYỀN NHÂN ONLY

Figure 2

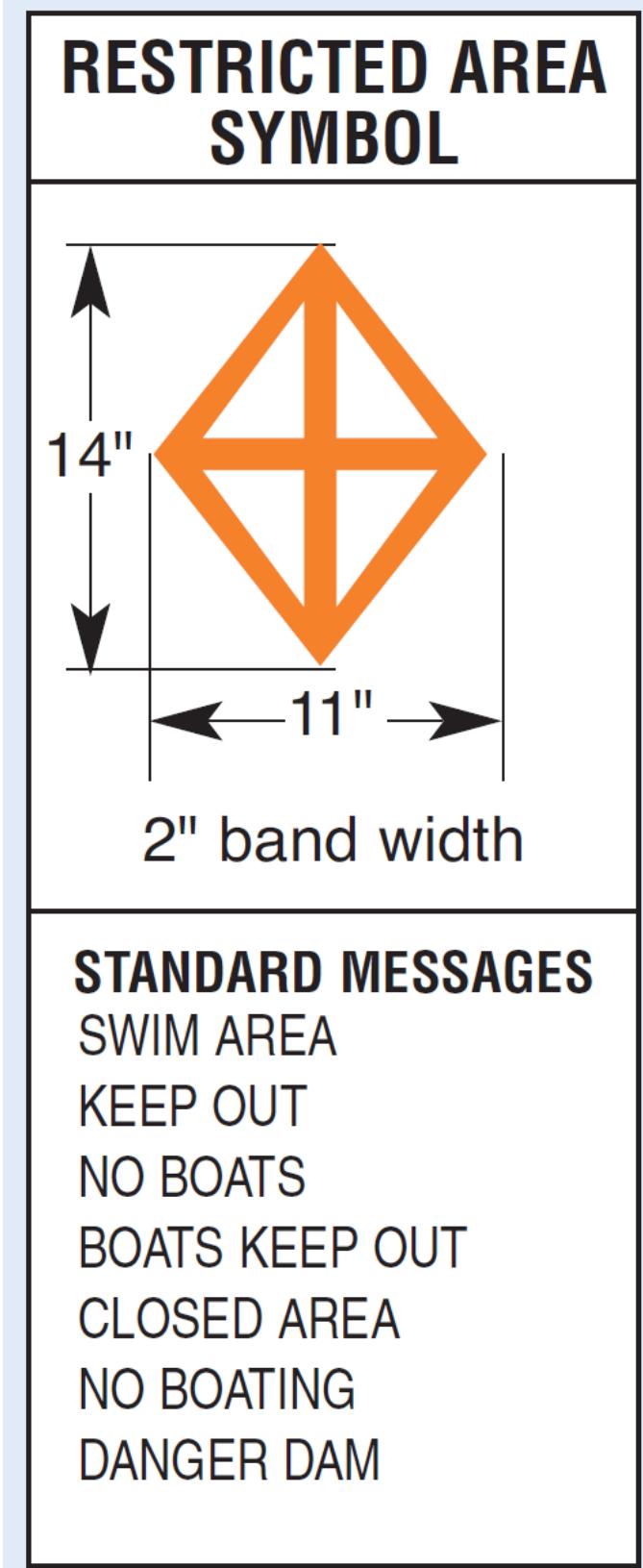
No Trespassing Sign

Site Warning and Protective Measures

San Jacinto River Waste Pits Superfund Site



Figure 3
Danger Sign
Site Warning and Protective Measures
San Jacinto River Waste Pits Superfund Site



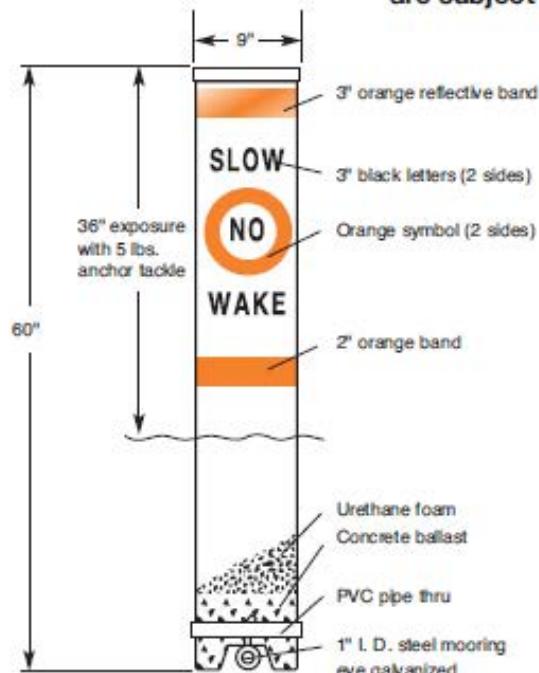
Source: www.RolyanBuoys.com

Figure 4

Restricted Area Symbol
Site Warning and Protective Measures
San Jacinto River Waste Pits Superfund Site

Regulatory Buoys • X-Tra Heavy Duty

Super-tough regulatory buoy. Designed for problem areas where buoys are subject to abuse and vandalism.



When ordering, specify symbols and messages desired (see bottom of page 1).

Submerged buoyancy	84 lbs.
Net weight	49 lbs.
Shipping weight	56 lbs.

Refer to installation suggestions on page 21.

NOTE: Special procedures must be followed when reconditioning HDPE type buoys.

See warranty information on back cover.

Polyethylene type - 9" dia.

Model B961R



Features

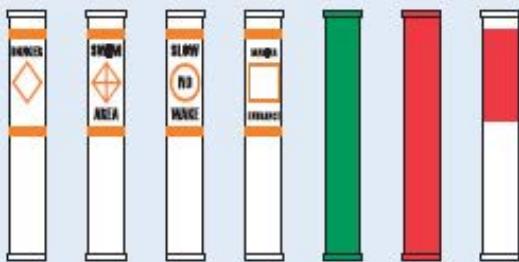
- 9" dia. white super-tough HDPE shell.
- Ultraviolet inhibited.
- Shatter-proof — will not crack, chip, peel or rust.
- Completely urethane foam filled. Virtually unsinkable.
- 3"-wide reflective band at top provides excellent night visibility.
- Self-righting without tackle.
- Recessed cap allows buoy to stand upright.
- Heavy steel galvanized anchoring eye cast in an internal concrete ballast.
- Inland waterway marking symbols with standard messages included.
- Includes choice of standard symbols and messages.

Available Options

- Pickup eye built into top.
- Stainless steel anchoring eye for salt water applications.
- Agency or name identification.
- Special non-standard messages.
- Solar light (see page 11).
- Cone cap top.
- Side mooring eyes for swim areas, float lines

EDUCATIONAL BUOYS • MINIATURE REPLICAS

Non-functional—for educational use only.



Model B2510ES

• 2½" dia. x 10" identical replicas of Rolyan® regulatory buoys showing standard inland waterway symbols and messages. Set of seven buoys includes:

- | | |
|---------------------------------------|------------------------------------|
| • Swim Area/No Boats | • Red Channel Marker |
| • Danger/Hazard | • Green Channel Marker |
| • Slow No Wake/
No Wake Idle Speed | • Centerline Marker
Red & White |
| • Marina Entrance | • Net wt. - 1.75# |



Rolyan® Buoys. To Order—Call toll-free in the U.S.: 888-269-2869 • 262-387-8728 • Fax: 866-790-3298
www.RolyanBuoys.com

Barrier Floats • Durable Polyethylene

Super-tough polyethylene hull.

Barrier floats are attached in series to restrict boating traffic or swimmers from specific danger areas such as around dams, spillways and swim areas.

Features

- Shatter-proof—will not crack, chip, peel or rust.
- Unsinkable—completely urethane foam filled.
- One-piece construction.

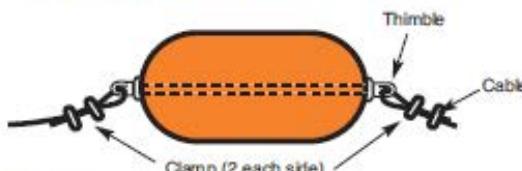


Available Options

- Available in solid international orange or all white as noted.
- Reflective bands and/or symbols available on Models B1830, B2436, and B1130.
- Yellow available on special order.
- Type B floats available with larger I.D. pipe thru center.

Type A

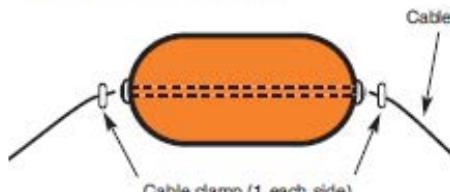
Steel rod thru float Swivel eye nuts both ends



Note - "W" specifies white "O" orange

Type B

Steel or plastic pipe thru float



Model Number	Barrier Float Styles	Dia. and Length	Type	Description—Standard colors are international orange and white, plain solid color (specify when ordering)	Sub. Buoyancy	Net Wt.
B1130AW B1130AO		12" x 13"	A	7/16" dia. galvanized steel rod with 3" dia. attachment hoop one side only.*	33 lbs.	4 lbs.
B1130BW B1130BO			B	1/2" sch. 40 PVC pipe thru float.		
B618BO		6" x 18"	A	1/2" sch. 40 PVC pipe thru	—	3 lbs.
B1318AW B1318AO		13" Dia.	A	1/2" dia. steel rod thru float. Galvanized eye nut swivels on both ends.		
B1318BW B1318BO		18" Length	B	1/2" sch. 40 PVC pipe thru float. Anchored to prevent movement.	55 lbs.	10 lbs.
Orange Only B1400AO		14" Sphere	A	7/16" dia. galvanized steel rod with 3" dia. attachment hoop one side only.*	50 lbs.	6 lbs.
B1400BO			B	1/2" sch. 40 PVC pipe thru float.		
Orange Only B1600AO		16" Sphere	A	1/2" dia. steel rod thru float. Galvanized eye nut swivels on both ends.	70 lbs.	8 lbs.
B1600BO			B	1/2" sch. 40 PVC pipe thru float.		
B1800AW B1800AO		18" Sphere	A	1/2" dia. steel rod thru float. Galvanized eye nut swivels on both ends.	—	
B1800BW B1800BO			B	1/2" sch. 40 PVC pipe thru float.		14 lbs.

* No hardware opposite side. Excellent for swim areas.
(B1130A & B1400A) Optional SS hardware.



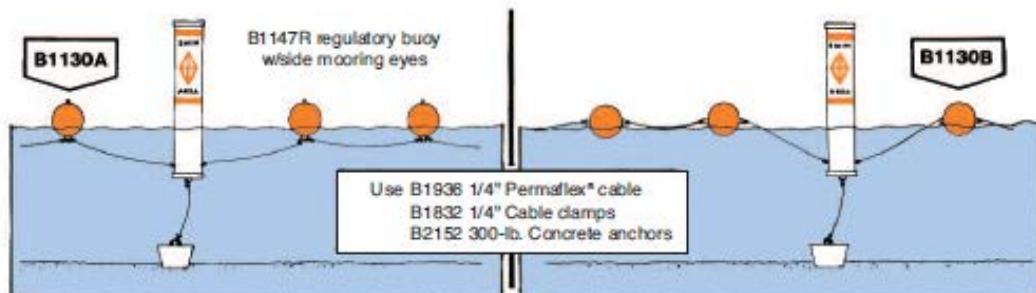
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Application and Mooring Suggestions (continued)

21

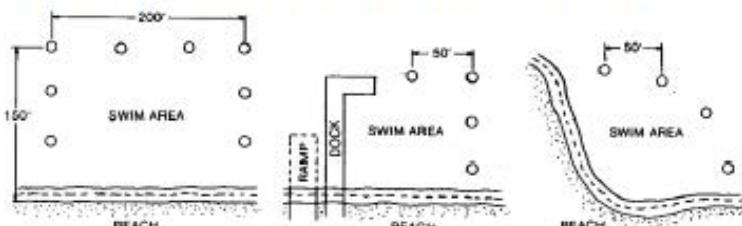
Suggestions For Using B1130 Floats with B1147R Buoys in Swim Areas

Also see chain, cable, hardware and anchor information, page 17.

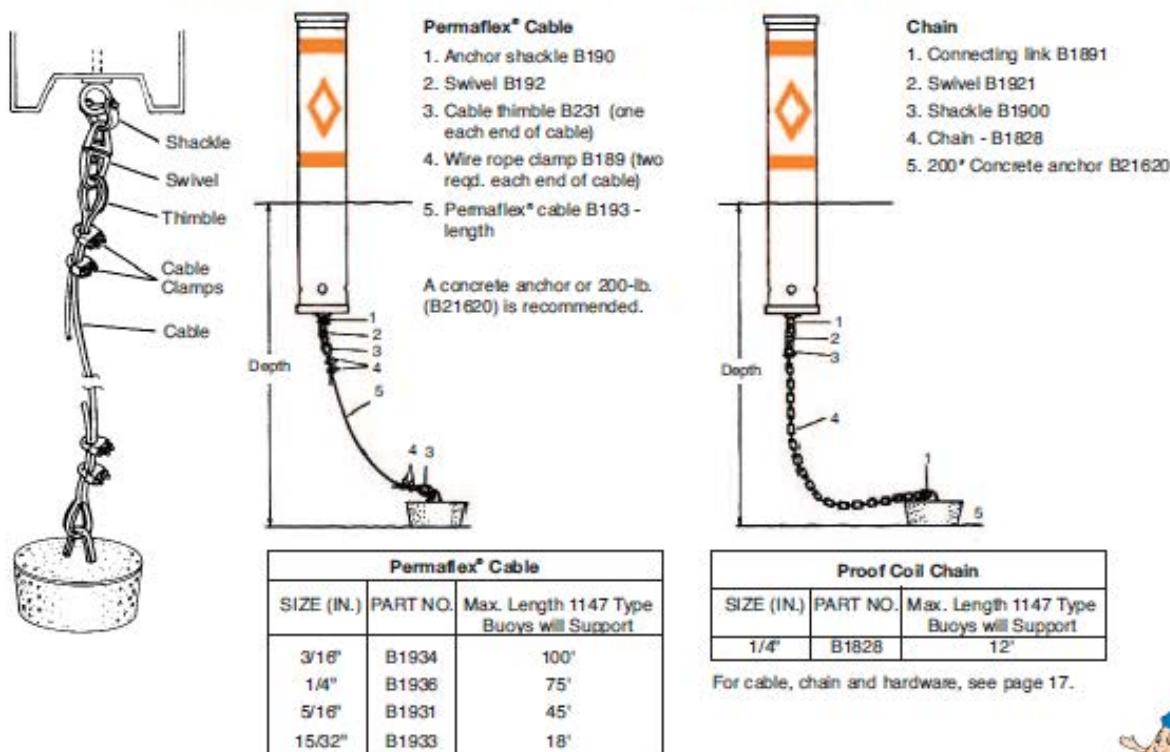


Note: The design and selection of a mooring system should be determined by a qualified professional engineer who is familiar with the specific application and local conditions. The illustrations shown are provided for informational purposes and are not intended to be suggested designs. The company assumes no responsibility for any mooring system based upon these illustrations.

Layout Suggestions For Using B1147R Buoys In Swim Areas



Installation Suggestions for B1147R or B961R Buoys With Anchors



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